

WHAT IS CLAIMED IS:

1. A micro-storage device capable of being conjoined with a personal adornment, comprising:

5 a substrate having a circuit board and a connector extended from the circuit board, wherein the connector is arranged with a plurality of contacts for electrically connecting to an external electronic apparatus;

at least one electronic component mounted on a surface of the circuit board using an advance package technique; and

10 a metal case housing the substrate and the electronic component and having an opening at the connector for coupling to the external electronic apparatus.

2. The micro-storage device as claimed in claim 1, further comprising a small hollow object for being inserted with the micro-storage device thereby conveniently carrying the micro-storage device.

15 3. The micro-storage device as claimed in claim 2, wherein the small hollow object is a personal adornment.

4. The micro-storage device as claimed in claim 3, wherein the personal adornment is a necklace.

20 5. The micro-storage device as claimed in claim 3, wherein the personal adornment is a tie clip.

6. The micro-storage device as claimed in claim 1, wherein the advance package technique is a Chip On Board (COB) or Surface Mount Technology (SMT).

7. The micro-storage device as claimed in claim 1, wherein the

electronic component comprises a non-volatile memory to store data.

8. The micro-storage device as claimed in claim 1, further comprising electronic components mounted on an opposite of the connector in the substrate to effectively utilize space.